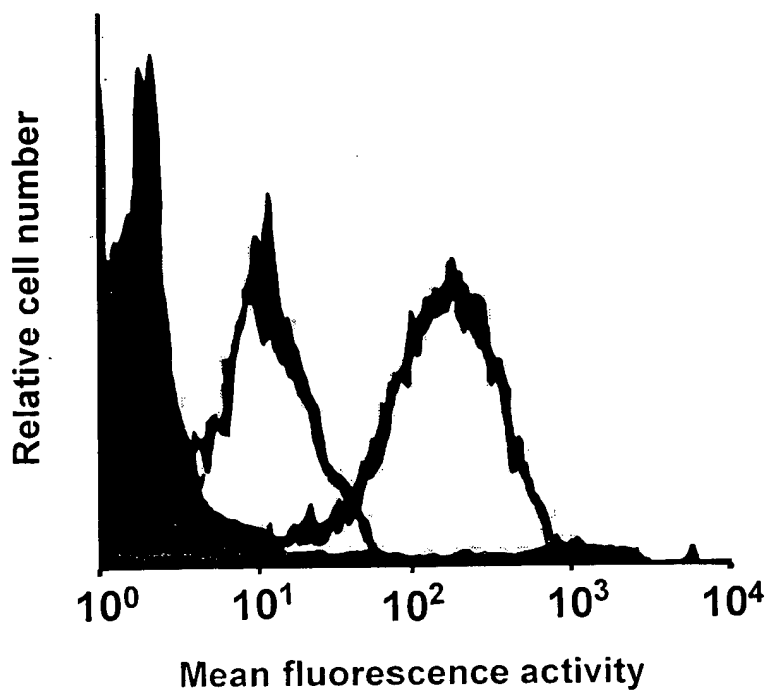




Fig. 1





!!!! !

	A	A'	B	* * C	*C'
mCTLA-4	vTq.pSVVLa	SSHGVASfPc	EYSPSHNT	DEVrvTv	LRQTNDQMTEvCAT
rCTLA-4	vTq.pSVVLa	SSHGVASfPc	EYASSHNT	DEVrvTv	LRQTNDQVTEvCAT
hCTLA-4	vAq.pAVVLa	SSRGIASfVc	EYASPGKATE	EVrvTv	LRQADSQVTEvCAA
bCTLA-4	vSq.pAVVLa	SSRGVASfVc	EYASSHKATE	EVrvTv	LRQANSQMTEvCAM
mCD28	vKqSpLLVd	SN..EVS	lScRYSYNLLAKE	FraSlYKGV.	NSDVEvCVG
rCD28	vKqSpLLVd	NN..EVS	lScRYSYNLLAKE	FraSlYKGV.	NSDVEvCVG
bCD28	vKqSpMLV	VnNN..EV	lScKYTYNLFSKE	FraSlYKGA.	DSAVEvCVV
hCD28	vKqSpMLV	AyDN..AV	lScKYSYNLFSRE	FraSlHKGL.	DSAVEvCVV
mICOS	aDhR.MFS	Fh.N.GGV	QiScKYP.DIV.	QQLKmRlFRE..	REV..lCEL
hICOS	aNyE.MFI	Fh.N.GGV	QiLcKYP.DIV.	QQFKmQlLKG..	GQI..lCDL
	30		40	50	60

! ! !

	C''	D	E	F *
mCTLA-4	TFTEK..NTVGFLDYPfCSgTF	NESrv	NlTiQGlRAVD	TGLyLcKvE
rCTLA-4	TFTVK..NTLGFLDDPfCSgTF	NESrv	NlTiQGlRAAD	TGLyFcKvE
hCTLA-4	TYMMG..NELTFLDDSICTgTSSGNQv	NlTiQGlRAMD	TGLyIcKvE	
bCTLA-4	TYTVE..NELTFIDDDStCTgISHGNKv	NlTiQGlSAMD	TGLyIcKvE	
mCD28	NGNFTYQPPFRSNAEFnCDgDFD	NETvTfRlWNlHV	NHTDiyFcKiE	
rCD28	NGNFTYQPPFRPNVGFnCDgNFD	NETvTfRlWNlDV	NHTDiyFcKiE	
bCD28	NGNFSHPHQFHSTTGFnCDgKLG	NETvTfYlKNlYV	NQTDiyFcKiE	
hCD28	YGNYSQQLOVYSKTGFnCDgKLG	NESvTfYlQNLyV	NQTDiyFcKiE	
mICOS	TKTKGSGNAVS	IKNPMlCLyHLS	NNSvSfFlNNpDSSQGSyYFcSlS	
hICOS	TKTKGSGNTVSIKSLKfCHsQLS	NNSvSfFLYNlDHS	HANYyFcNlS	
	70	80	90	100 110

!! ! !

	G
mCTLA-4	LMYPPPYF.VGMGNGTQiYvIDPEPC
rCTLA-4	LMYPPPYF.VGMGNGTQiYvIDPEPC
hCTLA-4	LMYPPPYF.LGIGNGTQiYvIDPEPC
bCTLA-4	LMYPPPYF.VGMGNGTQiYvIEPEPC
mCD28	FMYPPPYLDNERSNGTiiHIKEKHLc
rCD28	VMYPPPYLDNEKSNGTiiHiKEKHLc
bCD28	VMYPPPYLDNEKSNGTiiHvKEQHFC
hCD28	VMYPPPYLDNEKSNGTiiHvKEKHLc
mICOS	IFDPPPFQER.NLSGGYlHiYESQLC
hICOS	IFDPPPFK.V.TLTGGYlHiYESQLC
	120 130 136

Fig. 2

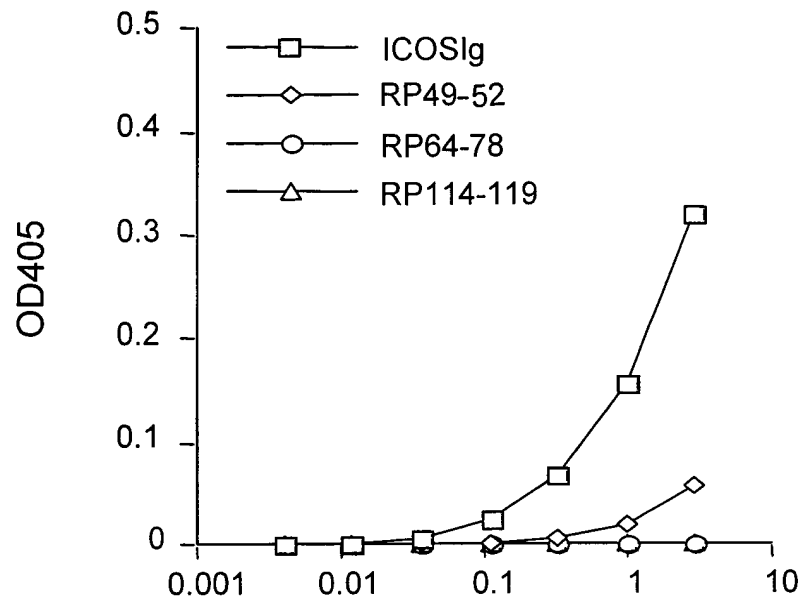


Fig. 3A

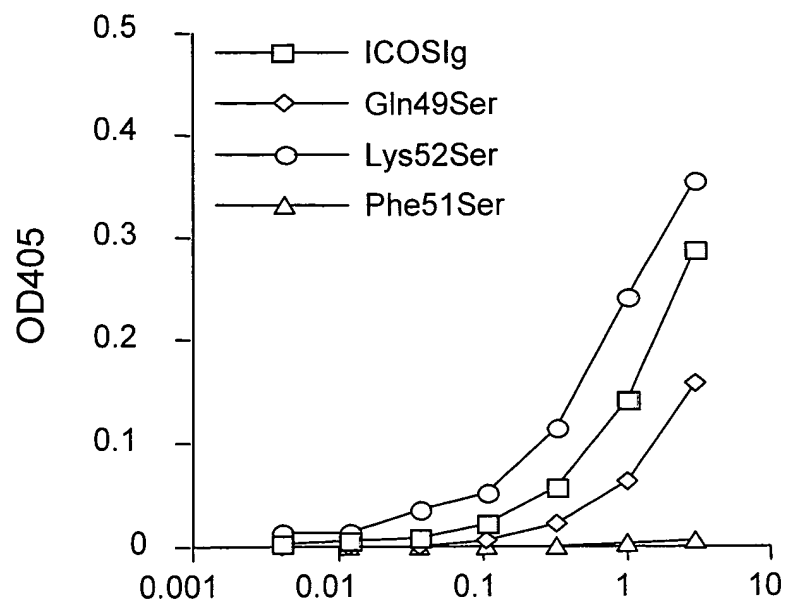


Fig. 3B

Fig. 3C

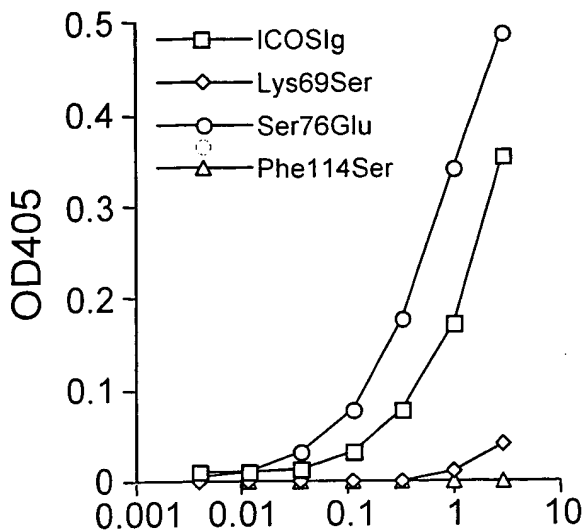


Fig. 3D

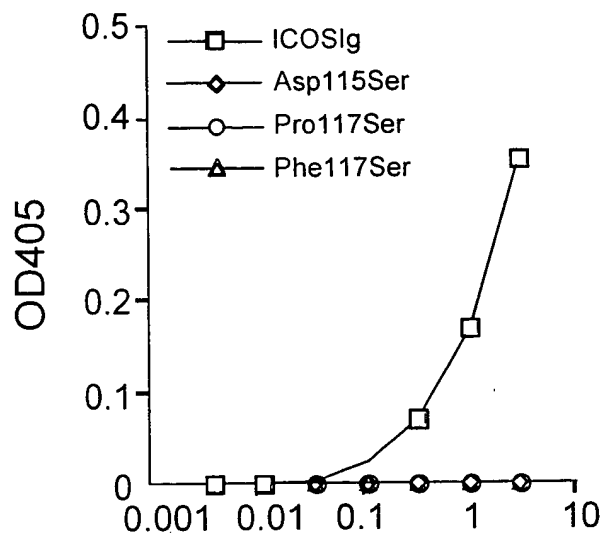


Fig. 3E

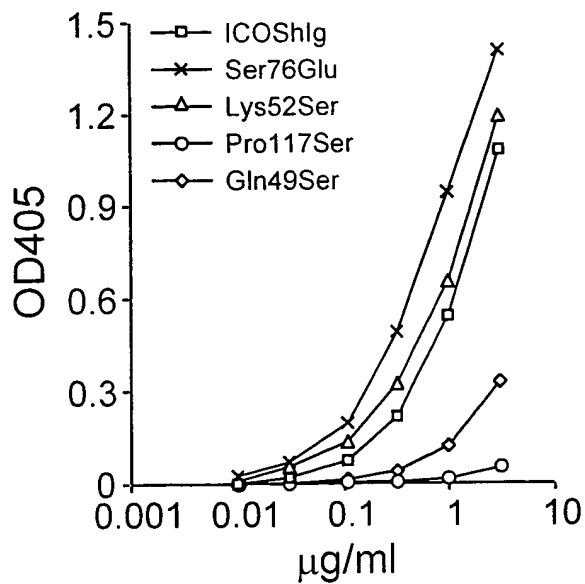




Fig. 4

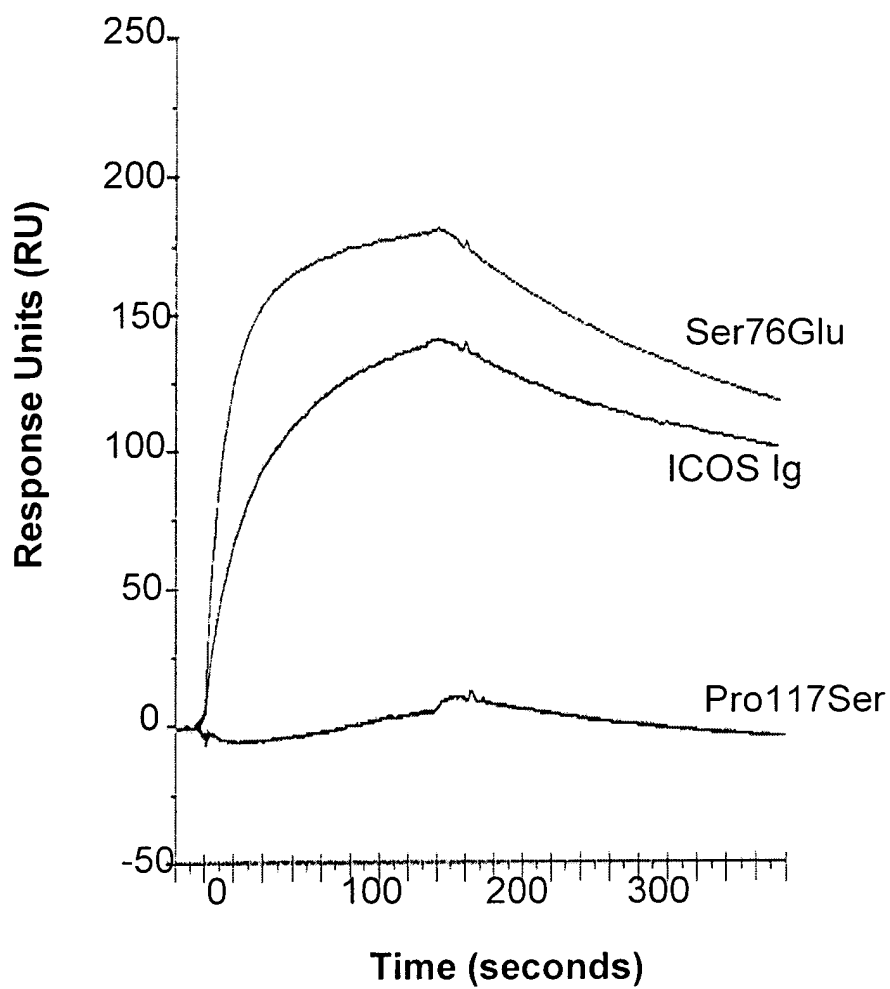




Fig. 5A

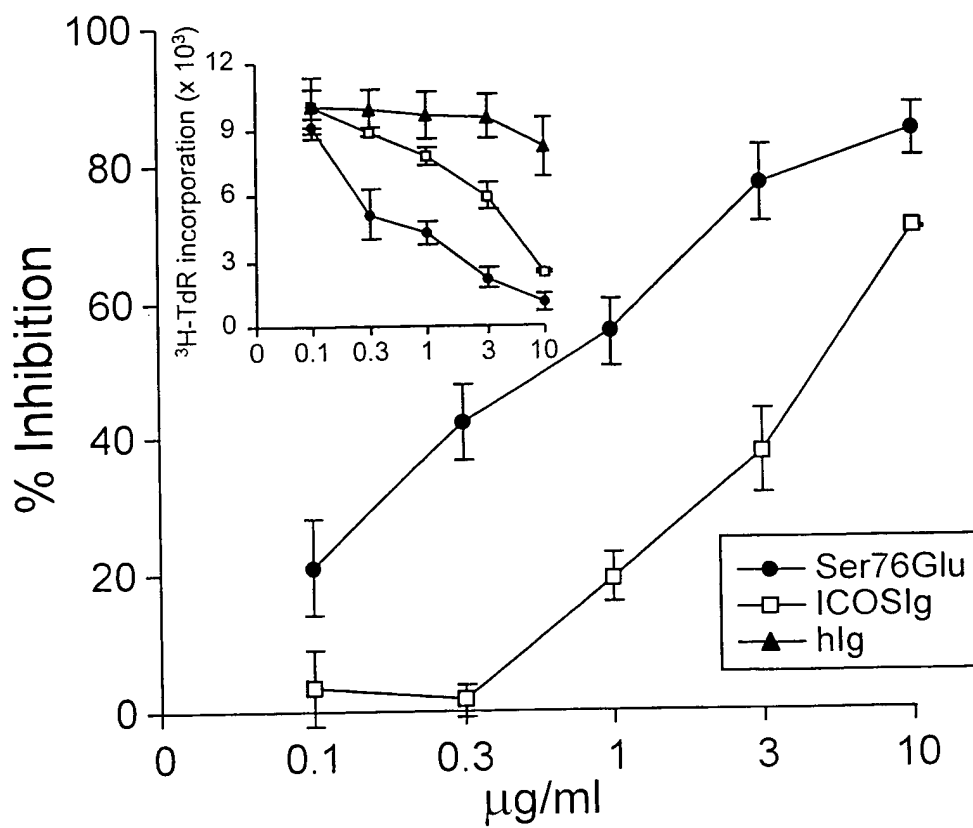




Fig. 5B

